

Hardik Sachan

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EXPERIENCE

Logistics Coordinators Ontario, CA (Remote)	Apr 2023 — Apr 2024
<i>Tech Head</i> <i>Aug 2023 — Apr 2024</i>	Experience Letter
<i>Full Stack Developer</i> <i>Apr 2023 — Aug 2023</i>	
<ul style="list-style-type: none">Improved backend request throughput by 58% and average response time by 32% by re-architecting the backend from a monolithic NodeJS environment to a modular Go solution with PostgreSQL and gRPC.Reduced First Contentful Paint (FCP) by 40% and Time to Interactive (TTI) by 29% by migrating the frontend from a React SPA to Next.js resulting in a faster and responsive user experience.Enabled continuous integration and continuous delivery (CI/CD) with automated deployments using Kubernetes, streamlining the development process and reducing deployment time by 40% for FMS.Reduced Driver's Qualification File generation time by 80% by re-writing the service from Puppeteer on the backend to a Next.js app utilizing the router and user-prompted printing.Increased development team velocity by implementing Agile methodologies and cross-functional collaboration between a team of designers and developers, ensuring on-time and on-budget delivery of FMS.	

PROJECTS

Server Side Utilities	Github
This project offers a suite of robust libraries designed to enhance various functionalities:	
<ul style="list-style-type: none">xmessage: Delivers asynchronous message handling with idempotent inbox and transactional outbox, ensuring reliable communication.xretry: Implements seamless retry mechanisms for operations, improving resilience and fault tolerance.xerrors: Enhances error handling with advanced features for better error management and debugging.xlog: Provides comprehensive logging capabilities to monitor and track application events effectively.xtoken: Facilitates secure token generation and management for authentication and authorization processes.xhash: Offers versatile hashing functionalities, including bcrypt, for secure data hashing needs.Technologies Used — Go, PostgreSQL, RabbitMQ	
Identity Reconciliation API	Github
<ul style="list-style-type: none">Developed an identity reconciliation service for an e-commerce platform.Designed to identify and link customer purchases across different contact information.Technologies Used — NodeJS, PostgreSQL, REST, HTTP	
Autonomous Driving System B.Tech Minor Project	Presentation Report Github
<ul style="list-style-type: none">Performed semantic segmentation of RGB images for lane identification under varying conditions.Employed Proximal Policy Optimization (PPO) for lane following within the CARLA simulator environment.	

EDUCATION

2021 - 2025	National Institute of Technology Delhi — B. Tech, EEE	7.77/10
2020 - 2021	Delhi Public School — Class XII	98.8%

SKILLS

Languages and Databases — Go, Typescript, Rust, C++, Python, Kotlin, Java, PostgreSQL, MongoDB
Web Technologies — ReactJS, NextJS, Drizzle, Express JS, Chakra UI, Tailwind CSS, Tanstack Query
DevOps — Docker, Kubernetes, Git, Argo CD, Crossplane, Prometheus, Linux
Android — Android SDK, Jetpack Compose, SQL Delight, Dagger Hilt, Jetpack Datastore
Software Architecture — Hexagonal Architecture, Test Driven Development, Domain Driven Design

ARTICLES

Jun 09, 2024	Graceful Retries in Go	Link
7 Articles	Introduction to Kotlin for Android	Link